

PRIMERGY RX100 S7

System configurator and order-information guide

December 2011

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Instructions

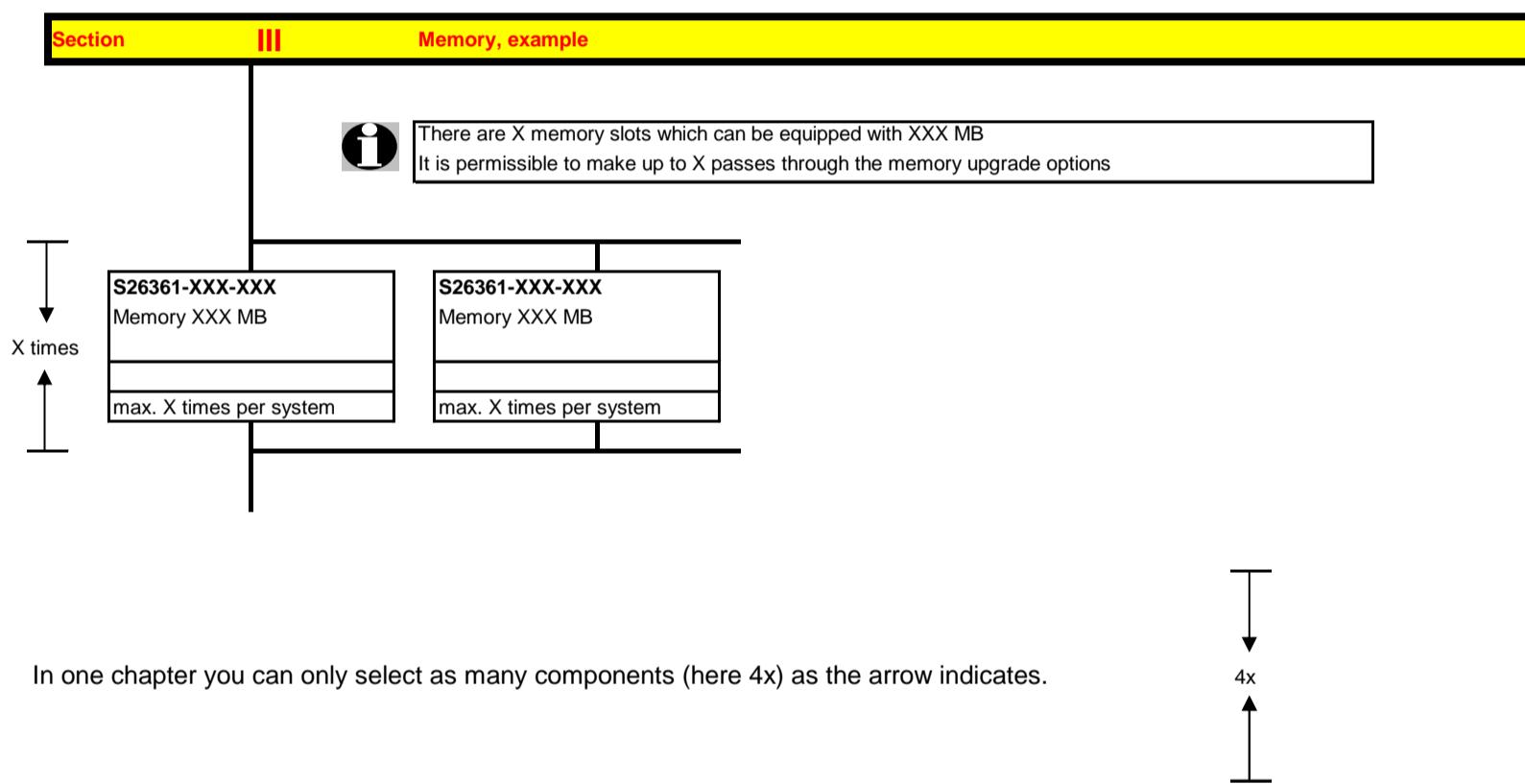
This document contains basic product and configuration information that will enable you to configure your system via PC-/System-Architect

Only these tools will ensure a fast and proper configuration of your PRIMERGY server or your complete PRIMERGY Rack system.

You can configure your individual PRIMERGY server in order to adjust your specific requirements.

The System configurator is divided into several chapters that are identical to the current price list and PC-/System-Architect.

Please follow the lines. If there is a junction, you can choose which way or component you would like to take. Go through the configurator by following the lines from the top to the bottom.



In one chapter you can only select as many components (here 4x) as the arrow indicates.

Further information in the internet see:

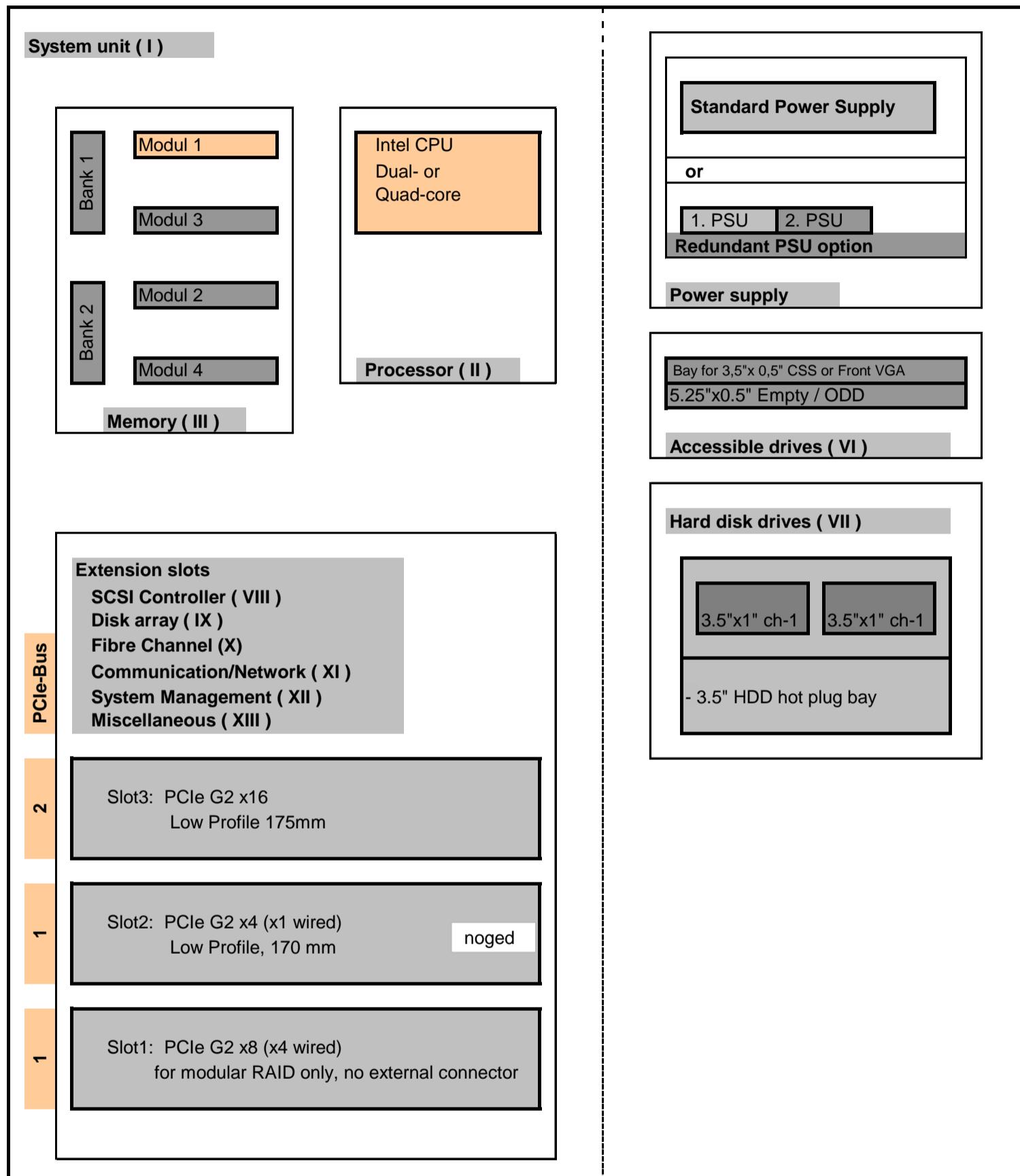
http://ts.fujitsu.com/products/standard_servers/index.html (internet)

https://partners.ts.fujitsu.com/com/order-supply/configurators/primergy_config/current/Pages/default.aspx (extranet)

Prices and availability see price list and PC-/System-Architect.
Subject to change and errors excepted.

Configuration diagram PRIMERGY RX100 S7

with 3.5" Hard disk drives

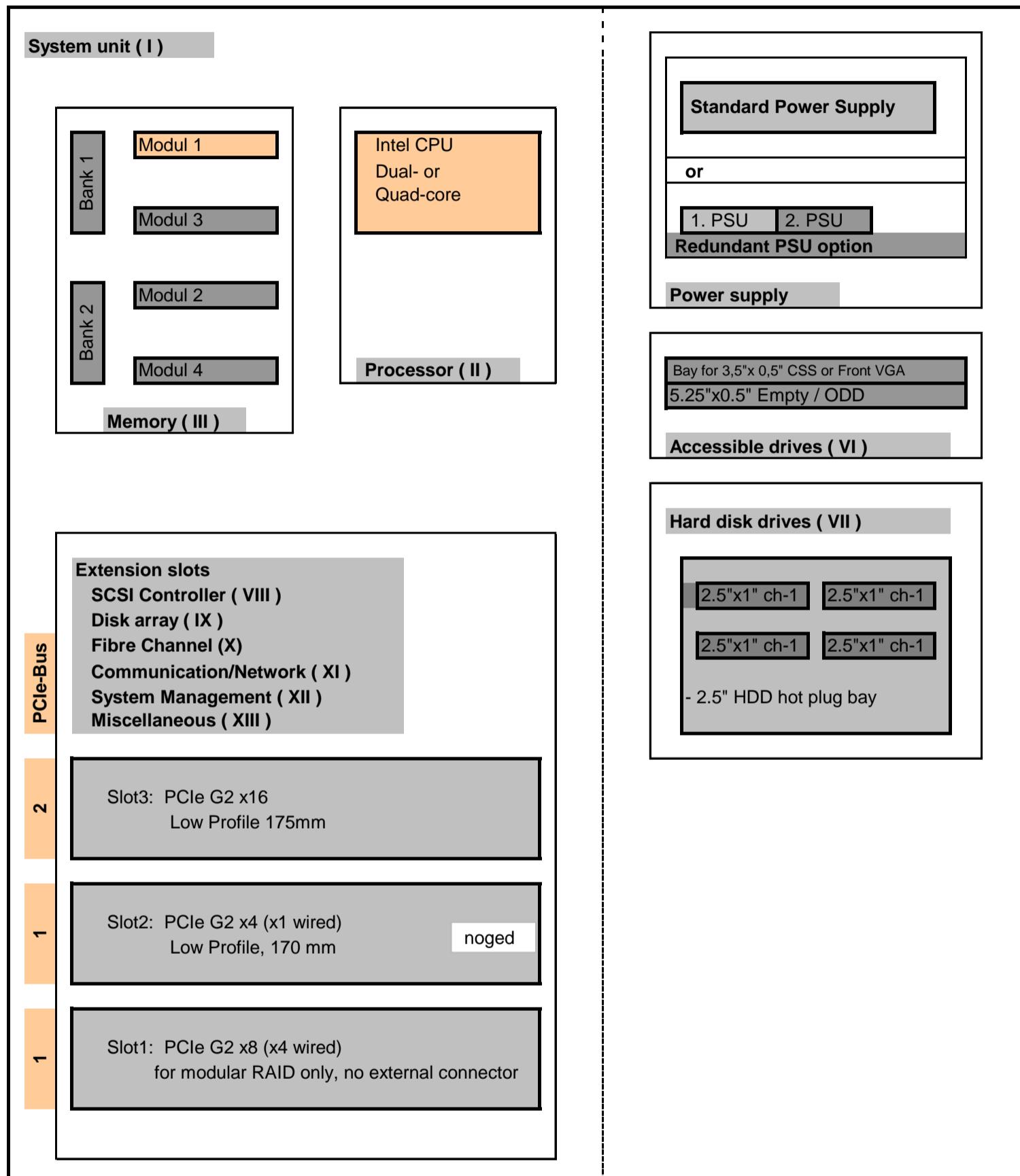


Key:

- Included in basic unit
- Option
- One CPU (first CPU) and one memory (first memory) has to be selected for an orderable basic unit.

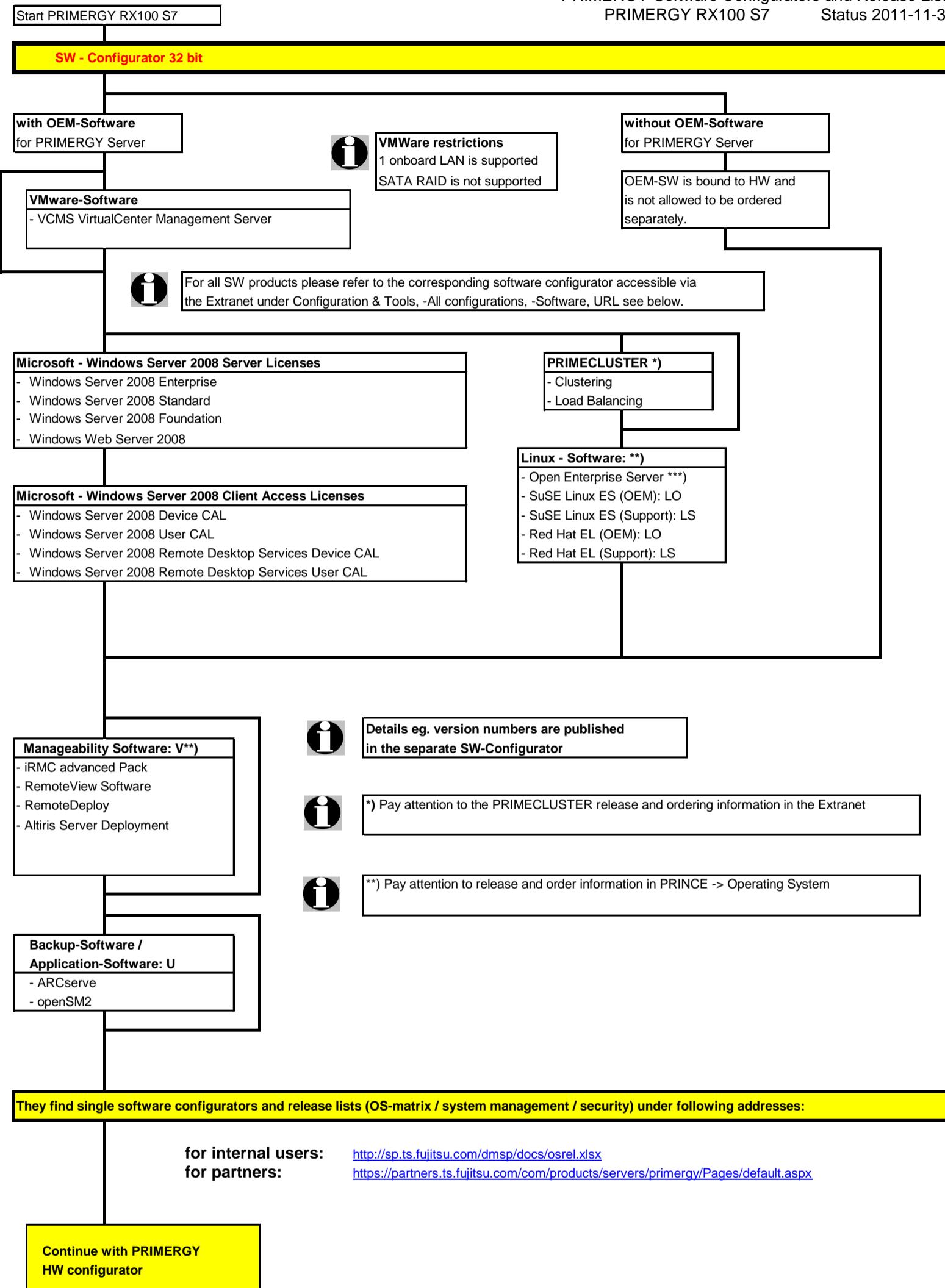
Configuration diagram PRIMERGY RX100 S7

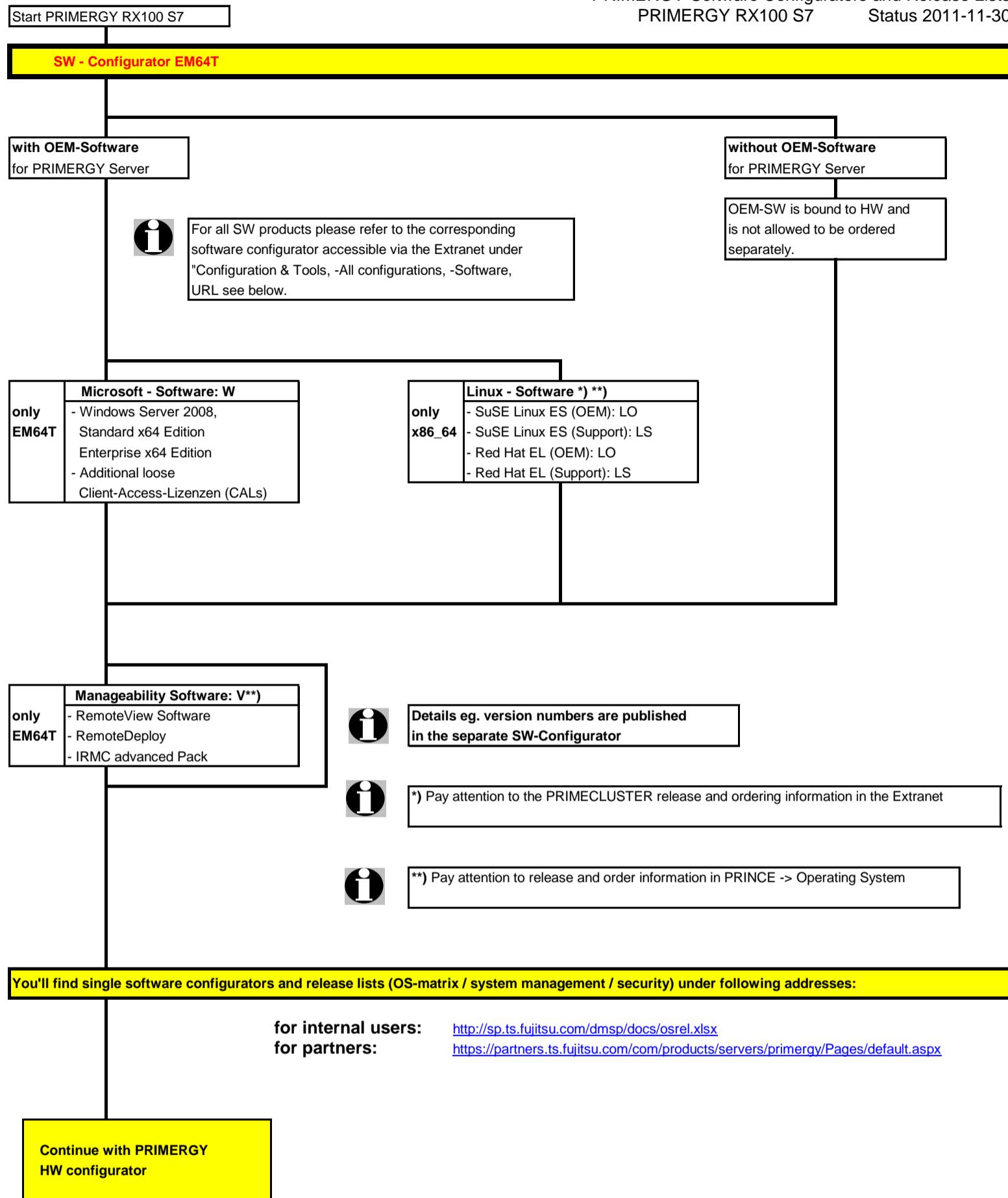
with 2.5" Hard disk drives



Key:

- Included in basic unit
- Option
- One CPU (first CPU) and one memory (first memory) has to be selected for an orderable basic unit.





**System unit including:**

- * **1U Housing**
- * **1 power supply** (Standard Ps with 300W or hot plug PSU with 450W)
- * **Fans**
 - Fans for Power Supply and Chassis
 - 4x non hot-plug fans in standard PSU base unit, 5 fans with 1 of 5 redundancy in hotplug PSU base unit
- * **Drives / Bays**
 - 2 bays 3.5" for hot-plug HDDs **or**
 - 4 bays 2.5" for hot-plug HDDs
 - 1 bay 0.5" height for optional SATA ODD
 - 1 bay 0,5" height for optional CSS-modul (Customer Self Service) or Front VGA / front Service LAN

Options:

- * One 0,5" bay can be configured with an optional CSS (Customer Self Service) modul **or**
 - For indication of a failed component via LED's*
 - Simultaneously components are marked which can be replaced by the customer.*
 - This LEDs can be displayed during service even without mains connection.*

Front VGA and / or Front Service LAN RJ45

Systemboard with:

- Mono Processor Board with LGA1155 socket and Intel® C202 (codenamed Bromolow Cougar Point Essential) (s. section II)
- 2 PCIe Gen2 slots x16 / x4 (x1 wired) + 1x PCIe x8 (x4 wired) Gen2 Slot for modular RAID
- 4 memory slots (s. section III)
- SATA RAID on-board or SAS RAID controller in the dedicated slot (s. section IX)
- 2x 1 Gbit Ethernet Intel 82579 (Lewisville) + 82574 (Hartwell) on-board with ToE and iSCSI boot integrated in System BIOS as selectable option
- **iRMC S3** (integrated Remote Management Controller) on-board server management controller with dedicated 10/100/1000 Mbit Service LAN-port and integrated graphics controller
- The Service LAN-port can be switched alternatively on standard Gbit LAN port 1 (shared mode)
- Graphics Controller integrated in iRMC S3 (integrated Remote Management Controller):
1600x1200x16bpp 60Hz, 1280x1024x16bpp 60Hz, 1024x768x32bpp 75Hz, 800x600x32bpp 85Hz, 640x480x32bpp 85Hz
(1280x1024x24bpp 60Hz only possible if local monitor or remote video redirection is off)

Interfaces:

- 1x RS-232-C (serial, 9 pins) (usable for BMC or OS or shared)
- 1x VGA (15 pins), 1x Front VGA optional
- 7x USB 2.0 (UHCI) with 480MBit/s (2x front, 4x back, 1x internal)
- 2x LAN RJ45 (1x shared), 1x Service-LAN RJ45, 1 Service LAN (front) optional

Cables:

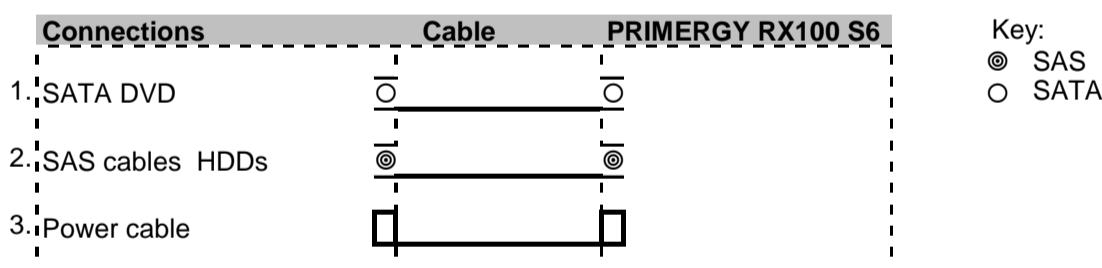
1. SATA cable for ODD
2. SATA/SAS cables for up to 4 HDDs

Software:

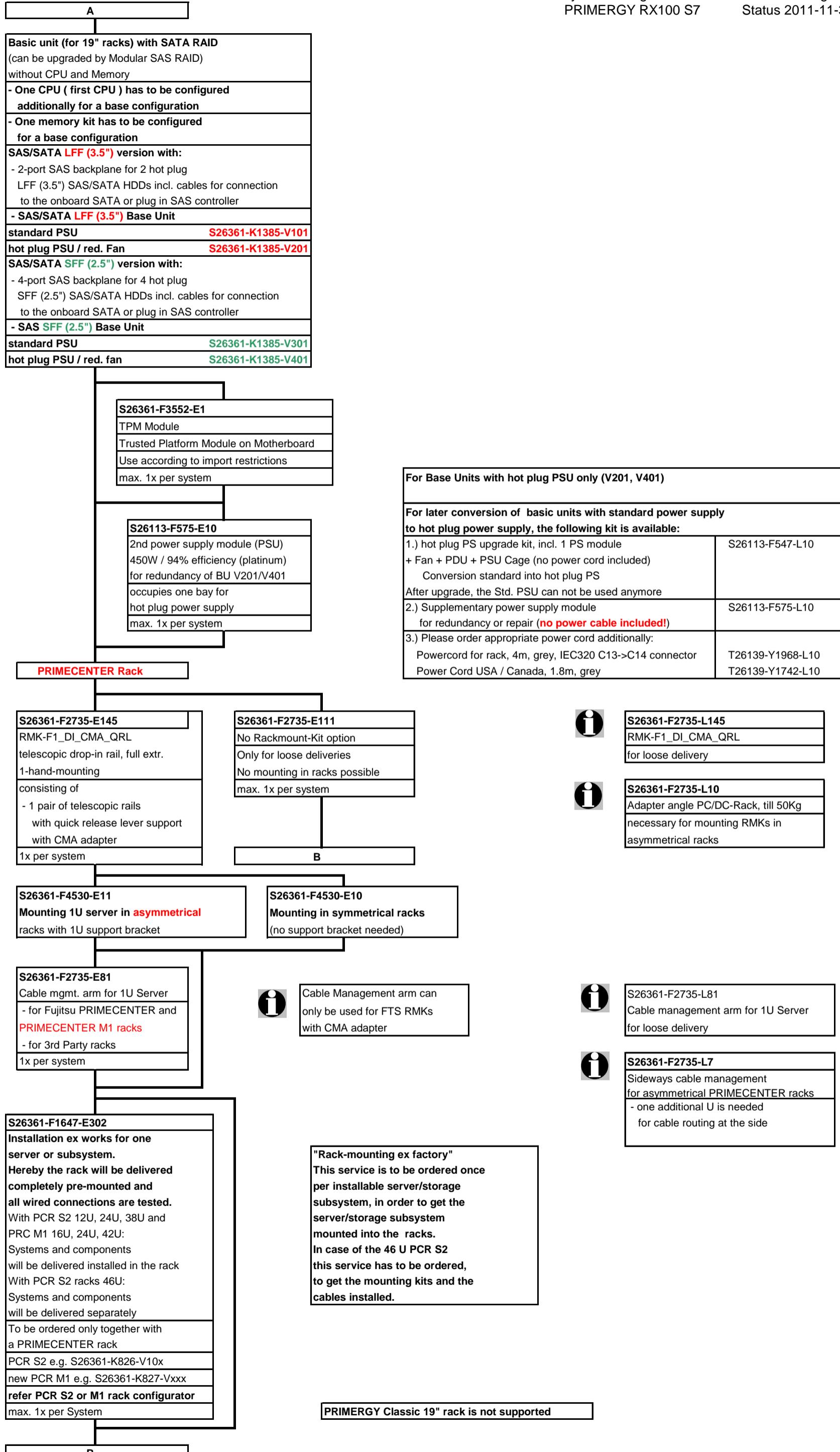
- ServerView Suite Software package incl. ServerStart, ServerBooks, Management Software and Updates
- Documentation engl. (multilingual on CD)



Note: Rack Mounting kit and Power Cord for PRIMERGY RX100 S7 is not included in the basic unit and has to be configured separately

Cables included in basic unit

A



B																
Section 2	Processor															
<p>Note**: The CPU is not included in the base unit and has to be configured separately.</p>																
<p>One of following CPU's has to be selected for an orderable basic unit</p>																
<p>Dual-Core CPU's</p> <ul style="list-style-type: none"> - 1x 64-bit Intel <ul style="list-style-type: none"> Celeron (2MB SLC), Pentium (3MB SLC) or Core-i3 (3MB TLC) occupies socket for one CPU 																
<p>Celeron</p> <table border="1"> <tr> <td>Celeron G530 2.40GHz 2MB 2C/2T 1066MHz (65W)</td> <td>S26361-F3579-E253</td> <td>on special release</td> </tr> <tr> <td>Celeron G530T 2.00GHz 2MB 2C/2T 1066MHz (35W)</td> <td>S26361-F3579-E252</td> <td></td> </tr> </table>		Celeron G530 2.40GHz 2MB 2C/2T 1066MHz (65W)	S26361-F3579-E253	on special release	Celeron G530T 2.00GHz 2MB 2C/2T 1066MHz (35W)	S26361-F3579-E252										
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<p>Pentium</p> <table border="1"> <tr> <td>Pentium G620 2.60GHz 3MB 2C/2T 1066MHz (65W)</td> <td>S26361-F3579-E262</td> <td></td> </tr> </table>		Pentium G620 2.60GHz 3MB 2C/2T 1066MHz (65W)	S26361-F3579-E262													
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<p>Core i3</p> <table border="1"> <tr> <td>Core i3-2100 3.10GHz 3MB 2C/4T 1333MHz (65W)</td> <td>S26361-F3579-E210</td> <td></td> </tr> <tr> <td>Core i3-2120 3.30GHz 3MB 2C/4T 1333MHz (65W)</td> <td>S26361-F3579-E212</td> <td>on special release</td> </tr> </table>		Core i3-2100 3.10GHz 3MB 2C/4T 1333MHz (65W)	S26361-F3579-E210		Core i3-2120 3.30GHz 3MB 2C/4T 1333MHz (65W)	S26361-F3579-E212	on special release									
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Core i3-2120 3.30GHz 3MB 2C/4T 1333MHz (65W)	S26361-F3579-E212	on special release														
<p>Xeon E3-12xx</p> <ul style="list-style-type: none"> - 1x 64-bit Intel Xeon UP (8MB shared TLC = Third Level Cache) <ul style="list-style-type: none"> Hyper-Threading (HT not with X3430); 1333 MHz DDR3 Bus and heat pipe occupies socket for one CPU <table border="1"> <tr> <td>Xeon E3-1220 3.10GHz 8MB 4C/4T 1333MHz Turbo (80W)</td> <td>S26361-F3579-E322</td> <td></td> </tr> <tr> <td>Xeon E3-1230 3.20GHz 8MB 4C/8T 1333MHz Turbo (80W)</td> <td>S26361-F3579-E323</td> <td>on special release</td> </tr> <tr> <td>Xeon E3-1240 3.30GHz 8MB 4C/8T 1333MHz Turbo (80W)</td> <td>S26361-F3579-E324</td> <td></td> </tr> <tr> <td>Xeon E3-1270 3.40GHz 8MB 4C/8T 1333MHz Turbo (80W)</td> <td>S26361-F3579-E327</td> <td></td> </tr> <tr> <td>Xeon E3-1280 3.50GHz 8MB 4C/8T 1333MHz Turbo (95W)</td> <td>S26361-F3579-E328</td> <td>on special release</td> </tr> </table>		Xeon E3-1220 3.10GHz 8MB 4C/4T 1333MHz Turbo (80W)	S26361-F3579-E322		Xeon E3-1230 3.20GHz 8MB 4C/8T 1333MHz Turbo (80W)	S26361-F3579-E323	on special release	Xeon E3-1240 3.30GHz 8MB 4C/8T 1333MHz Turbo (80W)	S26361-F3579-E324		Xeon E3-1270 3.40GHz 8MB 4C/8T 1333MHz Turbo (80W)	S26361-F3579-E327		Xeon E3-1280 3.50GHz 8MB 4C/8T 1333MHz Turbo (95W)	S26361-F3579-E328	on special release
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Xeon E3-1280 3.50GHz 8MB 4C/8T 1333MHz Turbo (95W)	S26361-F3579-E328	on special release														
<p>Xeon E3-12xxL Power Optimized</p> <ul style="list-style-type: none"> - 1x 64-bit Intel Xeon LV UP (4/8MB shared TLC = Third Level Cache) <ul style="list-style-type: none"> Hyper-Threading (HT); 1066 or 1333 MHz DDR3 Bus and heat pipe occupies socket for one CPU <table border="1"> <tr> <td>Xeon E3-1220L 2.20GHz 3MB 2C/4T 1333MHz Turbo (20W)</td> <td>S26361-F3579-E312</td> <td></td> </tr> <tr> <td>Xeon E3-1260L 2.40GHz 8MB 4C/8T 1333MHz Turbo (45W)</td> <td>S26361-F3579-E316</td> <td></td> </tr> </table>		Xeon E3-1220L 2.20GHz 3MB 2C/4T 1333MHz Turbo (20W)	S26361-F3579-E312		Xeon E3-1260L 2.40GHz 8MB 4C/8T 1333MHz Turbo (45W)	S26361-F3579-E316										
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<p>Section 3 Memory</p>																
<p>Unbuffered (ub) DIMMs</p> <ul style="list-style-type: none"> - One DDR3- ub ECC memory module, 1.5V <table border="1"> <tr> <td>Memory 2GB 1333 SR</td> <td>S26361-F3335-E524</td> </tr> <tr> <td>Memory 4GB 1333 DR</td> <td>S26361-F3335-E525</td> </tr> <tr> <td>Memory 8GB 1333 DR</td> <td>S26361-F3335-E526</td> </tr> </table> <p>Choose up to 4 order codes above.</p>		Memory 2GB 1333 SR	S26361-F3335-E524	Memory 4GB 1333 DR	S26361-F3335-E525	Memory 8GB 1333 DR	S26361-F3335-E526									
Memory 2GB 1333 SR	S26361-F3335-E524															
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Memory 8GB 1333 DR	S26361-F3335-E526															
<p>Section 4 Riser Card</p>																
<p>Section 5 Graphics</p>																
<p>Opt. Front VGA + Service LAN</p> <p>Please refer to Sys.Manag. XII</p> <p>Optional Front VGA only possible for onboard graphics</p>																
<p>S26361-F2748-E637</p> <p>PY VGA LP card 512MB PCI-e x1</p> <p>NVIDIA NVS300</p> <p>512 MB PCIe-x1</p> <p>Connectors: 1x LFH 59</p> <p>cable kit for 2x DVI or 2x VGA</p> <p>cable kits included</p> <p>Dual head + professional 2-D + 3-D</p> <p>supported for Windows OS</p> <p>native driver support for Linux OS</p> <p>low profile bracket</p> <p>max. 1x per system</p>																
<p>S26361-F2748-L637</p> <p>PY VGA LP card 512MB PCI-e x1</p> <p>for loose delivery</p>																

Section VI

Energy Star

S26361-F3301-E111

RX100 S7 **E-Star Fam1**

for all 80W 4Core CPUs with std. PSU
Limits configuration in accordance
with Energy Star requirements

max. 1x per system



**The following order components out of the specific sections
sections are allowed together with RX100 S7 **E-Star Fam1**:**

SATA/SAS LFF (3.5") Base Unit with std PSU

S26361-K1385-V101

Quad-Core CPU's

Xeon E3-1220 3.10GHz 8MB 4C/4T 1333MHz Turbo (80W) **S26361-F3579-E322**

Xeon E3-1230 3.20GHz 8MB 4C/8T 1333MHz Turbo (80W) **S26361-F3579-E323**

Xeon E3-1240 3.30GHz 8MB 4C/8T 1333MHz Turbo (80W) **S26361-F3579-E324**

Xeon E3-1270 3.40GHz 8MB 4C/8T 1333MHz Turbo (80W) **S26361-F3579-E327**

max. 1x per system



Unbuffered (ub) DIMMs (1.5V)

Memory 2GB 1333 SR **S26361-F3335-E524**

Memory 4GB 1333 DR **S26361-F3335-E525**

Memory 8GB 1333 DR **S26361-F3335-E526**

max. 4x per system



DVD & tape Drives

DVD-RW supermulti slim SATA **S26361-F3269-E2**

Blu-ray Combo slim SATA **S26361-F3531-E2**

Blu-ray Triple Writer slim SATA **S26361-F3641-E2**

max. 1x per system



RAID Controller

RAID Ctrl. SAS MegaRAID SAS 1064 **S26361-F3257-E4**

max. 1x each per system



LAN Controller

Gigabit Ethernet Controller 1000TX **S26361-F3516-E201**

Gigabit Ethernet Controller Dual 1000TX **S26361-F3610-E202**

max. 1x each per system



Hard Disk Drives 3.5" SATA

HD 250GB 7.2krpm 3.5" **S26361-F3294-E250**

HD 500GB 7.2krpm 3.5" **S26361-F3294-E500**

HD 1000GB 7.2krpm 3.5" **S26361-F3294-E100**

HD 2000GB 7.2krpm 3.5" **S26361-F3294-E200**

max. 2x per system



Section 6 VII Accessible drives



Setup PRIMERGY RX100 S7 by ServerStart is supported with following configurations:

no DVD, no CD:

remote installation only (PXE service & DHCP server required)

built in DVD or USB DVD:

UNC Network share reachable or USB Floppy or MemoryBird connected



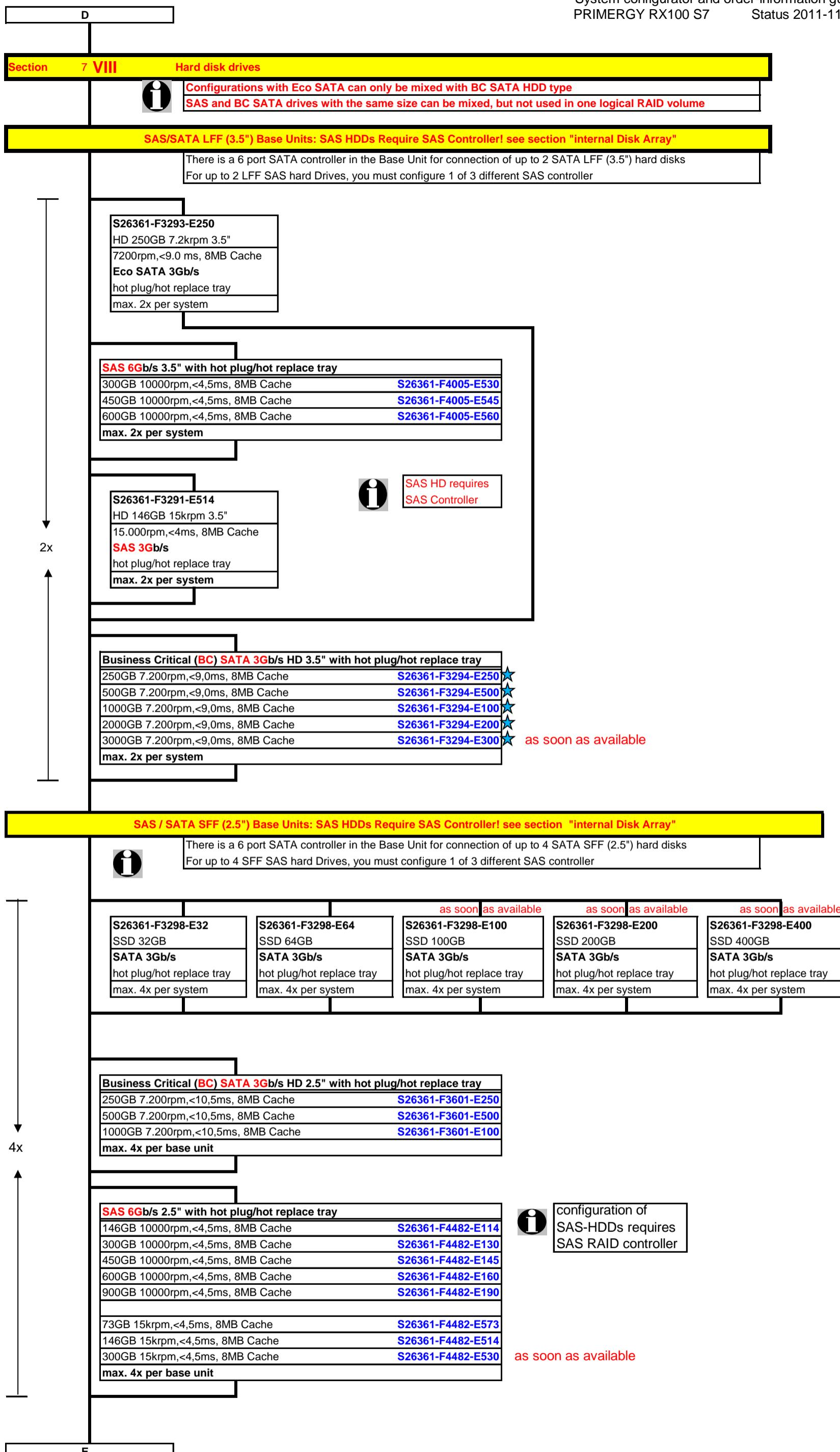
If installation is done locally, make sure you have USB stick available for driver installation.

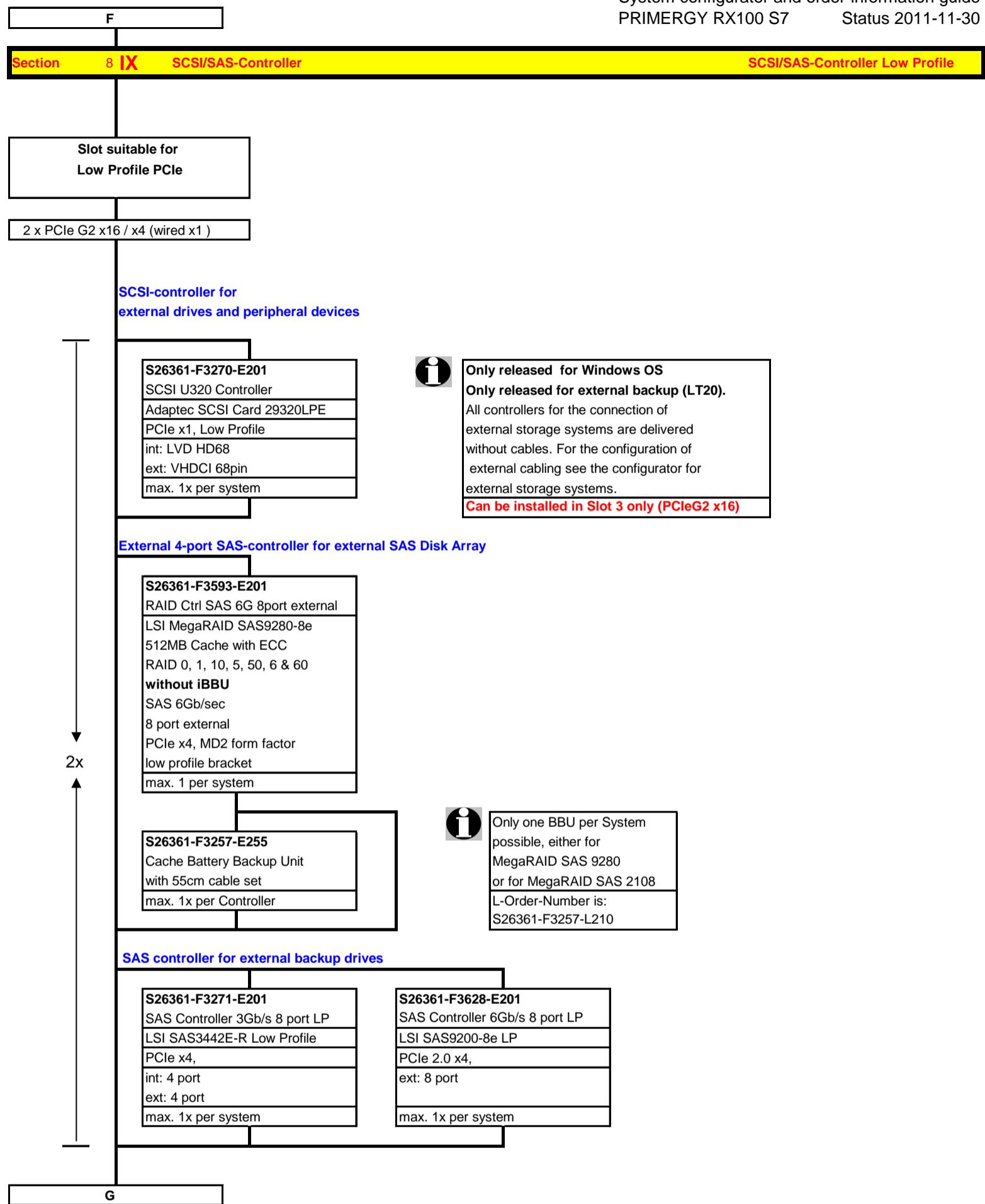
Following USB Components are available

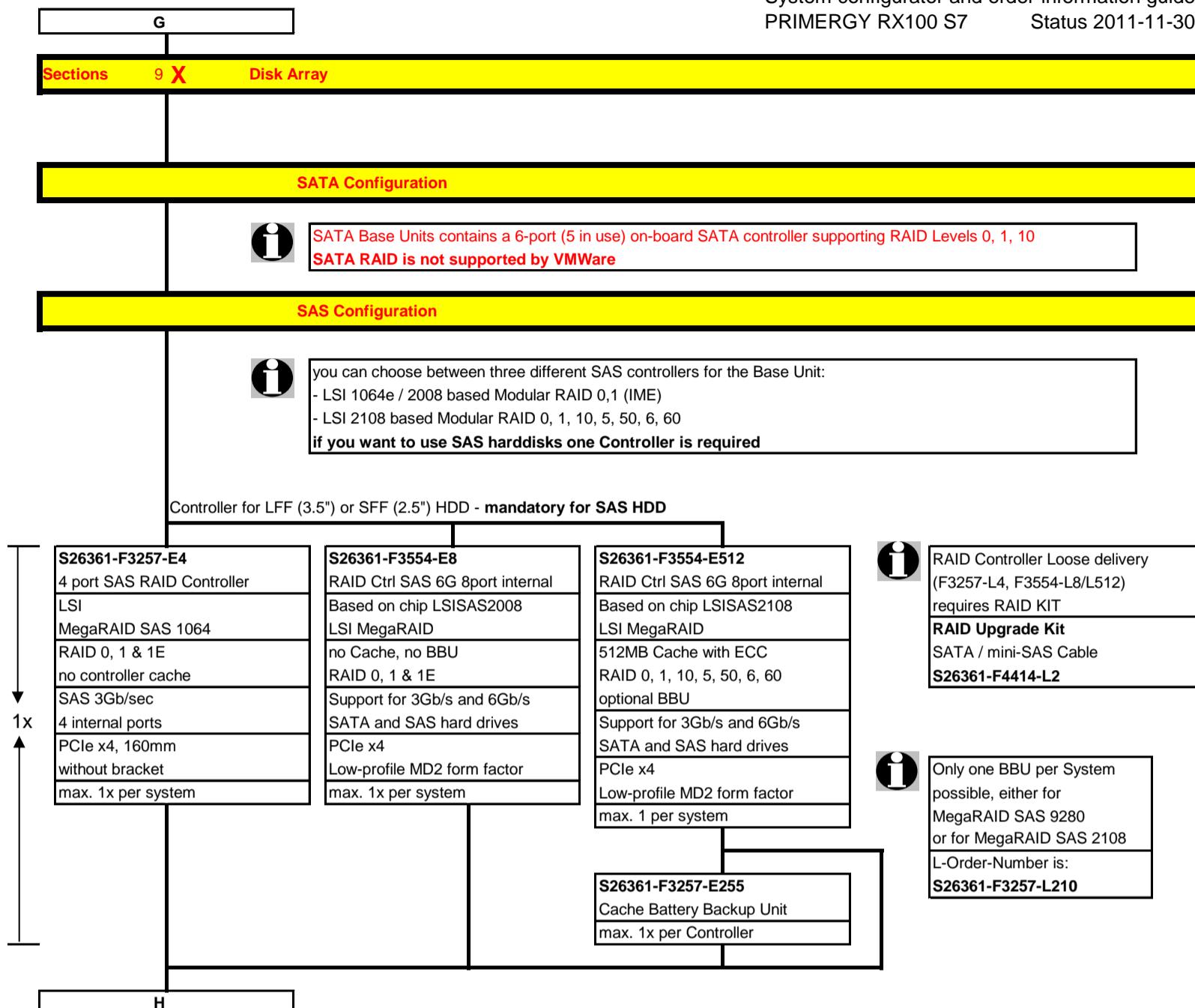
1) USB DVD SM / Blu-Ray	S26341-F103-L126
External SuperMulti Drive	S26341-F103-L127
External Blu-Ray Drive	
2) USB Mouse:	S26381-K430-L100
Laser Mous USB/PS2 Combo	
3) USB Sticks:	
MyUSBS A910 8GB, MLC Flash	S26391-F6048-L208
MyUSBS A910 16GB, MLC Flash	S26391-F6048-L216

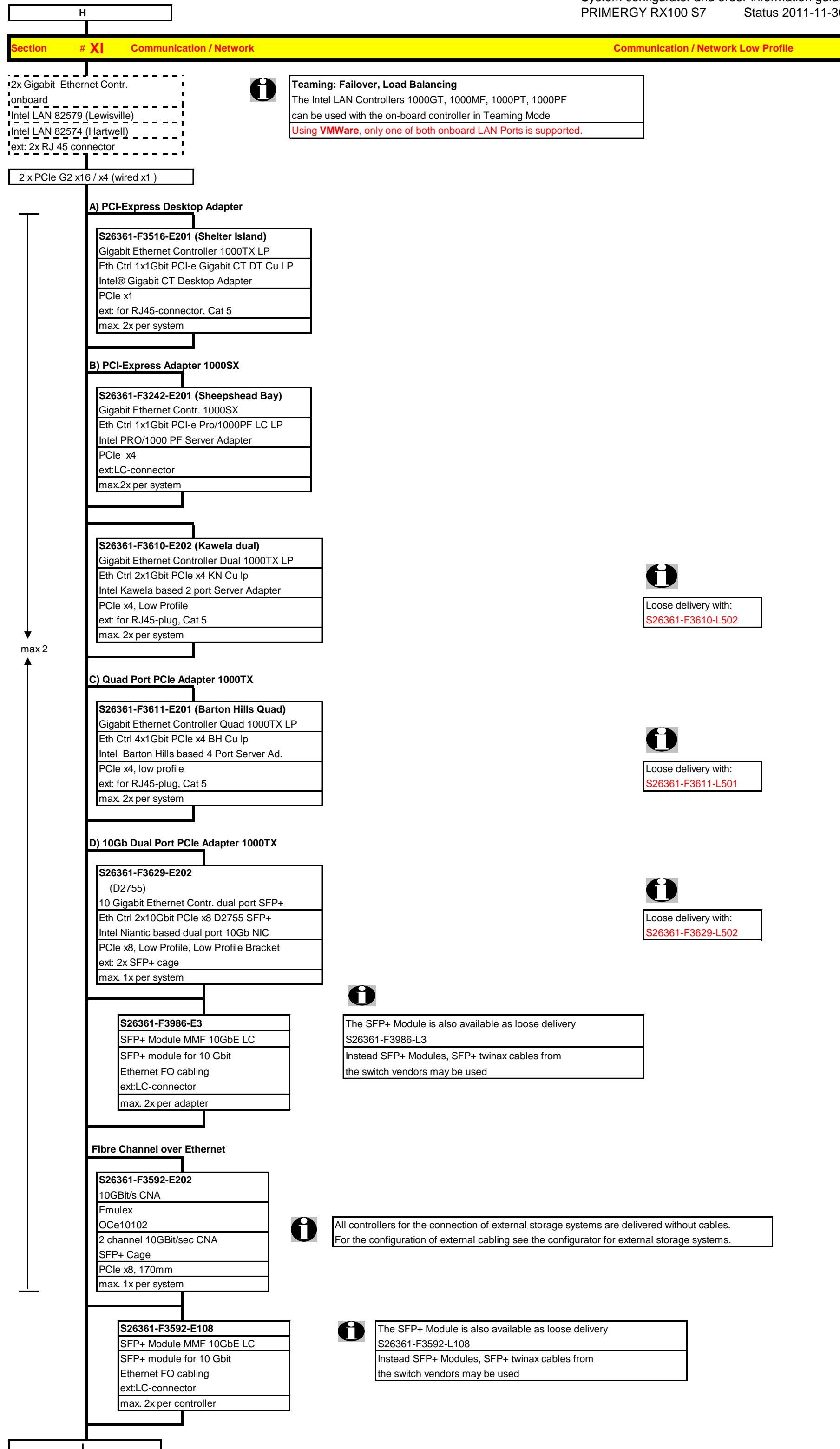
S26361-F3269-E2DVD-RW supermulti slim SATA
all formats, DUAL/DL, DVD-RAM
only W2K, W3K and Linux
0.5 x 5.25", black bezel
max. 1x per system**S26361-F3531-E2**Blu-ray Combo slim SATA
6x BD-ROM, 16x DVD, 40x CD
BD DL and all CD/DVD formats
0.5 x 5.25", black bezel
max. 1x per system**S26361-F3641-E2**Blu-ray Triple Writer slim SATA
6x BD-RW, 8x DVD, 24x CD
BD DL and all CD/DVD formats
0.5 x 5.25"
max. 1x per system

as soon as available









I

Section # XII System Management Products (RemoteView)

S26361-F1790-E242

iRMC3 advanced pack

integrated remote mgmt. controller
activation key for
graphical console redirection
and remote media redirection
max. 1x per system



iRMC S3 (integrated Remote Management Controller) onboard server management with dedicated 10/100/1000 Service LAN-port and integrated graphics controller. The Service LAN-port can be switched alternatively on standard Gbit LAN port



Loose delivery
iRMC3 advanced pack
S26361- F1790-L242

S26361-F2557-E204

Local Service Panel incl. mount. kit
Customer Self Service
CSS module incl. mounting kit
0.5" x 5.25"
max. 1x per system

S26361-F2571-E37

Opt. Front VGA + Service LAN
Front service LAN Port
For local maintenance / console redirection,
Integrated in front (operating panel)
max. 1x per system



Loose delivery
Local Service Panel
S26361-F2557-L204
Opt. front VGA + Front LAN
S26361-F2571-L37

Section # XIII Miscellaneous



Options and other peripherals

For other options, refer to SystemArchitect and Pricelist

These options are supplied loose with the shipment

For suitable peripherals for this product, please refer to SystemArchitect

Section # XIV Country specific power cord / kits

S26361-F1452-E100

REGION KIT APAC/America/EMEA/India
For Shipments to Asia pacific, America,
EMEA or India regions
1x per system

S26361-F1452-E110

REGION KIT JP
For Shipments to Japan regions
1x per system



Power cord has to be ordered separately

Power cord options (1x per PSU)

- T26139-Y1968-E100 Powercord for rack, 4m, grey,
IEC 320 C13 -> C14 connector
- T26139-Y1742-E10 USA, Canada, 1.8m, grey
- T26139-Y3850-E10 Option "no powercord", for Countries without
specific cable orderable like e.g. China

max.
2x
↑

End PRIMERGY RX100 S7

Change Report